ROYAL GARDENS, KEW.

BULLETIN

OF

MISCELLANEOUS INFORMATION.

APPENDIX II.—1892.

NEW GARDEN PLANTS OF THE YEAR 1891.

The number of garden plants annually described in botanical and horticultural publications, both English and foreign, is now so considerable that it has been thought desirable to publish a complete list of them in the *Kew Bulletin* each year. The following list comprises all the new introductions recorded during 1891. These lists are indispensable to the maintenance of a correct nomenclature, especially in the smaller botanical establishments in correspondence with Kew, which are, as a rule, only scantily provided with horticultural periodicals. Such a list will also afford information respecting new plants under cultivation at this establishment, many of which will be distributed from it in the regular course of exchange with other botanic gardens.

The present list includes not only plants brought into cultivation for the first time during 1891, but the most noteworthy of those which have been re-introduced after being lost from cultivation. Other plants included in the list have been in gardens for several years, but either were not described or their names had not been authenticated until recently.

In addition to species and botanical varieties, all hybrids, whether introduced or of garden origin, but described for the first time in 1891, are included. Mere garden varieties of such plants as Coleus, Codiæum, or Narcissus are omitted for obvious reasons.

In every case the plant is cited under its published name, although some of the names are doubtfully correct. Where, however, a correction has appeared desirable this is made.

The name of the person in whose collection the plant was first noticed or described is given where known.

An asterisk is prefixed to all those plants of which examples are in cultivation at Kew.

The publications from which this list is compiled, with the abbreviations used to indicate them, are as follows:—*B. M.*—Botanical Magazine. *B. T. O.*—Bullettino della R. Società Toscana di Orticultura. *Bull Cat.*—Bull, Catalogue of New, Beautiful, and Rare Plants. *Gard.*—The Garden. *G. C.*—Gardeners' Chronicle. *G. and F.*—Garden and Forest. *Gfl.*—Gartenflora. *G. M.*—Gardeners' Magazine. *Ill. H.*—L'Illustration Horticole. *Jard.*—Le Jardin. *J. of H.*—

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Journal of Horticulture. *L.*—Lindenia. *O.*—L'Orchidophile. *R.*—Reichenbachia. *R. H.*—Revue Horticole. *R. H. B.*—Revue de l'Horticulture Belge. *Veitch Cat.*—Veitch & Sons, Catalogue of Plants. *W. G.*—Wiener Illustrirte Garten-Zeitung. *Williams Cat.*—Williams, New and General Plant Catalogue. *W. O. A.*—Warner & Williams, Orchid Album.

The abbreviations used in the descriptions of the plants are: —*Diam.*—Diameter. *Fl.*—Flower. *Fr.*—Fruit. *Ft.*—Foot or Feet. *G.*—Greenhouse. *H.*—Hardy. *H. H.*—Half-hardy. *In.*—Inches. *Infl.*—Inflorescence. *L.*—Leaves. *Lin.*—Line (one-twelfth of an inch). *Per.*—Perennial. *S.*—Stove. *Pet.*—Petals. *Sep.*—Sepals. *Shr.*—Shrub.

Acampe madagascariensis, Kränzlin. (*G. C.* 1891, x., p. 608.) Orchideæ. S. A new species allied to *A. papillosum*. It has thick leathery leaves and small whitish flowers, the lip rose-purple. Madagascar. (Sander & Co.)

***Ada Lehmanni**, Rolfe. (*G. C.* 1891, x., p. 34.) Orchideæ. S. A new species with the habit of *A. aurantiaca*, Ldl., but more rigid. Sepals and petals orange, lip white with a yellow callus. Colombia. (Kew; Glasnevin, &c.)

Aeranthus brachycentron, Regel. (*Gfl.* 1891, p. 323; *G. and F.* 1891, iv., p. 365.) Orchideæ. S. This scarcely differs from *A. grandiflorus* of Lindley.

Aerides Lawrenceæ, Rchb. f. var. **amesiana**, Sander. (*G. C.* 1891, x., p. 393.) Orchideæ. S. A variety with flowerstalks more than 2 ft. long, crowded with richly coloured flowers larger than those of the type. (Sander & Co.)

***Aerides savageanum**, Sander ex Veitch. (*Veitch Man.* pt. 7, p. 78.) S. A pretty species, with racemes of moderate sized fl., white, tipped and dotted with crimson-purple. (Sander & Co.)

Aerides suavissimum, Ldl. var. **blandum**, Kranzl. (*Gfl.* 1891, p. 576.) S. A variety without spots on the fl. (Sander & Co.)

***Alberta magna**, E. Mey. (*Bull Cat.* 1891, p. 3.) Rubiaceæ. G. or S. A very ornamental shr. with deep green shining l., and panicles of tubular red fl., succeeded by winged fr. of a red colour, forming a conspicuous object. Has not yet flowered in England. Natal. (W. Bull.)

Allamanda Williamsii, Hort. (*G. C.* 1891, x., p. 111; *G. and F.* 1891, iv., p. 376; *J. of H.* 1891, xxiii., fig. 14; *Gard.* xl., pl. 832.) Apocynaceæ. S. A variety of *A. cathartica*. It differs from ordinary garden kinds in being of erect habit. (Williams & Son.)

Alocasia conspicua, André. (*R. H.* 1891, pp. 175, 367.) Aroideæ. S. A garden hybrid between *A. odora* and *A. Putzeysii*. (Marquis of Corsi, Florence; Chantrier Frères.)

Alocasia mortfontanensis, André. (*R. H.* 1891, p. 174.) S. A garden hybrid between *A. Lowii* and *A. sanderiana*. (Chantrier Frères.)

Alocasia rodigasiana, André. (*R. H.* 1891, p. 174.) S. A garden hybrid between *A. Thibauti* and *A. Reginæ*. (Chantrier Frères.)

Ampelovitis intermedia, Carr. (*R. H.* 1891, p. 334.) Ampelideæ. H. Vine of vigorous growth with the stems and petioles beset with stout bristles. The l. are large, coriaceous, and vary from cordate entire to palmately 5-lobed.

***Angræcum fragrans**, Spreng. (*B. M.* t. 7161; *G. and F.* iv., p. 103.) Orchideæ. S. An interesting little species, the leaves of which, when dry, are used as tea in Bourbon. The pure white fl. are produced singly on axillary racemes. Bourbon and Mauritius. (Kew.)

Ansellia humilis, Bull, and var. **pallida**, Bull. (*Bull Cat.* 1891, p. 3; *Gfl.* 1891, p. 333.) Orchideæ. S. epiphyte. A compact free growing species with large panicles of lemon-yellow fl., blotched and barred with chocolate, each about 2 in. in diam. Var. **pallida**, differs in having the ground colour of the fl. milk-white. Zambesi. (W. Bull.)

Anthurium eburneum, Williams. (*Williams Cat.* 1891, p. 24.) Aroideæ, S. A garden hybrid between *A. andreanum* and *A. ornatum*. (Williams & Son.)

Anthurium Paradisæ, Williams. (*Williams Cat.* 1891, p. 24.) S. A garden hybrid between *A. andreanum* and *A. ornatum*. (Williams & Son.)

Anthurium ridolfianum album, Pucci. (*B. T. O.* 1891, p. 244, t. 8.) S. per. A garden hybrid with a large white spathe and pink spadix. Origin not known. (Marquis Carlo Ridolfi.)

Anthurium rotundispathum, Lind. & Rod. (*Ill. H.* vol. 38, p. 9, pl. 119.) S. A garden hybrid between *A. andreanum* and *A. Lindeni*. (L'Horticulture Internationale.)

***Aphelandra blanchetiana,** Hook f. (*B. M.* t. 7179.) Acanthaceæ. S. This is the correct name for the plant distributed by Mr. W. Bull in 1888 as *A. amœna*.

Aphelandra tetragona, Nees, var. **imperialis,** Wittm. (*Gfl.* 1891, p. 449, t. 1354.) S. shr. A variety with ovate acute green l. and terminal spikes of showy scarlet-red fl. four times as long as the small brownish bracts. Central America. (Madame Borsig.)

Appendicula peyeriana, Kränzlin. (*G. C.* 1891, x., p. 669.) Orchideæ. S. A new species like a small Dendrobe with long slender pseudobulbs and small white flowers. Sumatra. (Ortgies, Zurich.)

Arachnanthe Lowii, Benth. var. **rohdeniana,** Veitch. (*Veitch Man.* part 7, p. 10.) Orchideæ. S. A dwarf form with shorter and narrower l. and brighter coloured fl., the four lower yellow ones being separated from the rest by an interval of 9–12 in. Borneo. (Duc de Massa, near Luzarches France.)

Arisæma enneaphyllum, Hochst. (*Gfl.* 1891, p. 578, f. 103.) Aroideæ. G. The plant figured at the place quoted appears to be **A. flavum,** Schott., and not *A. enneaphyllum*. It is a dwarf species with pedatisect l. with 5–7 leaflets. The spathe is yellow, with the limb bent forward, spadix short, clavate. Arabia. (Dammann & Co.)

***Aristolochia gigas,** Ldl. var. **Sturtevantii,** Watson. (*G. and F.* 1891, iv., p. 546.) Aristolochiaceæ. A very large flowered variety which bloomed at Kew last year, having been sent hither by E. D. Sturtevant, New Jersey.

Arnebia macrothyrsa, Stapf. (*W. G.* 1891, p. 128; *G. C.* 1891, vol. 9, p. 148, 180.) Borragineæ. H. per. A fine showy plant 12–18 in. high, with l. 4–7 in. long and a large head of yellow fl. Armenia. (Thompson; Haage & Schmidt.)

Arum syriacum, Sprenger. (*Gfl.* 1891, p. 657, f. 124.) Aroideæ. H. H. per. This seems to be the same as **Biarum carduchorum,** Engl. The tuber produces a small cluster of short spatulate-lanceolate l., from the centre of which arises a subsessile spathe 5–6 in. long, blackish-purple within, green spotted with purple outside; spadix slender, nearly as long as the spathe, blackish. Syria. (Dammann & Co.)

***Bauhinia Galpini,** N. E. Brown. (*G. C.* 1891, ix., p. 728; *Icones Plantarum*, t. 1994.) Leguminosæ. G. A new species recently introduced to Kew from the Transvaal. It is a dwarf shrub with two-lobed leaves and racemes of large handsome crimson flowers. It has not yet flowered in cultivation.

Begonia bicolor, S. Wats. (*W. G.* 1891, p. 137, t. 1; *B. T. O.* 1891, p. 189.) Begoniaceæ. G. A tall erect-growing species, with broad obliquely-reniform l., green spotted with white, the upper ones with bulbils in their axils. The fl. are bright rose, disposed in a terminal raceme, the peduncles being 1–3 flowered. Mexico. (Horsford & Co., Charlotte, Vermont, U.S.; Zabel.)

Begonia pictaviense, Bruant. (*W. G.* 1891, p. 155.) S. A garden hybrid between *B. scharffiana* and *B. metallica*. (Bruant.)

Billbergia intermedia, Witte. (*Gfl.* 1891, p. 563, f. 101.) S. A garden hybrid between *B. nutans* and *B. vittata*. (Leyden Botanic Garden.)

Billbergia leodiensis, Witte. (*Gfl.* 1891, p. 563, f. 100.) S. A garden hybrid between *B. vittata* and *B. nutans*. (Leyden Botanic Garden.)

Billbergia wittmackiana, Witte. (*Gfl.* 1891, p. 328, f. 69.) S. A garden hybrid between *B. vittata* and *B. amœna*. (Leyden Botanic Garden.)

***Brownea Crawfordii,** W. Watson. (*G. C.* 1891, ix., p. 398.) Leguminosæ. S. A hybrid between *B. grandiceps* and *B. macrophylla*, raised by the late W. H. Crawford, Cork. (Kew.)

***Bulbophyllum denticulatum,** Rolfe. (*Kew Bull.*, 1891, p. 197.) Orchideæ. S. A small species with the habit of *B. flavidum*. Sierra Leone. (Kew.)

***Bulbophyllum inflatum,** Rolfe. (*G. C.* 1891, ix., p. 234.) A new species allied to *B. comatum*, Ldl. It has 4-angled pseudobulbs with one leaf, and a pendulous scape, bearing small greenish-yellow flowers. Sierra Leone. (Kew.)

Bulbophyllum nigripetalum, Rolfe. (*Kew Bull.* 1891, p. 197.) S. A small species with depressed-ovoid bulbs bearing one l., and an erect subsecund fl.-spike. Fl. yellowish and purple-black. West tropical Africa. (O'Brien.)

Caladium adamantinum, Lind. (*Ill. H.* vol. 38, p. 71, pl. 132.) Aroideæ. S. An ornamental foliage plant with deflexed, sagittate l., dark green with white venation, and with numerous white dots along the borders of the veins. Peru. (L'Horticulture Internationale.)

Caladium medioradiatum, Lind. and Rod. (*Ill. H.* vol. 38, p. 51, pl. 128.) S. foliage plant. A very distinct species with peltate ovate acute l., notched at the base, of a dark green with the course of the midrib and its two branches silvery-white, the petiole is mottled with brown. Columbia. (L'Horticulture Internationale.)

Caladium sagittatum, Lind. and Rod. (*Ill. H.* vol. 38, p. 101, pl. 138.) S. A distinct looking species with narrow sagittate l. deeply bilobed behind, dark green with the midrib and its hind branches feathered with red. Brazil. (L'Horticulture Internationale.)

Calampelis scabra, Sw. var. **roseus.** (*G. C.* 1891, vol. x., p. 672.) Bignoniaceæ. H. An orange-red flowered variety of the well-known *Eccremocarpus scaber.* July, August. (J. Mahling.)

Calanthe Eyermanii, Hort. (*G. and F.* iv., p. 16, fig. 3.) Orchideæ. S. A hybrid between *C. vestita* and *C. Veitchii,* raised in New Jersey.

Campanula excisa, Schleich. (*G. C.* 1891, vol. ix., p. 340.) Campanulaceæ. H. A remarkable species somewhat resembling *C. tommasiniana.* Fl. funnel-shaped, with notches between the lobes. July. Switzerland. (Kew.)

Caraguata beleana, André. (*R. H.* 1891, p. 114, f. 27.) Bromeliaceæ. S. per. with bright green acuminate l., 2–2½ ft. long, lepidote beneath, and a fl.-stem about 2 ft. high with a panicle of white fl. (Dr. Le Bèle, Mans.)

Cattleya amœna, God. Leb. (*O.* 1891, p. 273, with pl.) Orchideæ. S. A garden hybrid between *C. Loddigesii* and *Lælia Perrinii.* (A. Bleu.)

Cattleya crispa, var. **delicatissima,** Williams. (*W. O. A.* vol. 19, pl. 424.) A variety with white fl., the lip veined with mauve-purple. South Brazil. (Williams & Son.)

Cattleya gaskelliana, var. **speciosa,** Hort. (*G. M.* 1891, Aug., p. 495.) S. A white variety with crisp margins and a rich rose-purple blotch on the labellum. (Seeger & Tropp.)

Cattleya hardyana, Rchb. f. var. **laversinensis,** L. Lind. (*L.* v. 7, p. 37.) S. A handsome variety having the sep. marbled with rosy-purple on a lighter ground, the pet. dark rose-purple, and a richly coloured lip. (Baron F. Rothschild.)

Cattleya intermedia, Ldl. var. **punctatissima,** Sand. (*R.* 2nd ser., v. 1, p. 51, t. 24; *Gfl.* 1891, p. 495.) S. A pretty form with pale rosy-white sep. and pet. dotted with rosy-purple, and a dark purple front lobe to the lip. South Brazil. (Sander & Co.)

Cattleya lowryana, Hort. (*G. and F.* 1891, iv., p. 293.) A supposed garden hybrid between *C. intermedia* and *C. Forbesii,* raised by F. Sander & Co.

Cattleya Mossiæ, var. **decora,** Williams. (*W. O. A.* vol. 19, pl. 421.) S. A form with the throat and sides of the lip yellow veined with magenta-purple. La Guayra. (Williams & Son.)

Cattleya Parthenia, A. Bleu. (*L.* vol. 6, p. 75, pl. 276.) S. Garden hybrid between *C. fimbriata* and *C. Mossiæ.* (A. Bleu.)

Cattleya Vedasti, Perr. (*O.* 1891, p. 48, with pl.) S. A garden hybrid between *C. Loddigesii* and *C. Pinelli,* var. *marginata.* (Perrenoud.)

Cattleya warocqueana, var. **amethystina,** L. Lind. (*L.* vol. 6, p. 59, pl. 268.) S. A very handsome form with deep rosy-purple sep. and pet., and a rich maroon-purple lip with an orange-yellow throat. (L'Horticulture Internationale.)

Cereus sargentianus, Orcutt. (*G. and F.* 1891, iv., p. 436, f. 69.) A new species with stems up to 15 ft. high five to six angled, spines ¼ in. long in dense tufts, flowers small, pink. Lower California. (C. R. Orcutt.)

Chionodoxa Luciliæ × Scilla bifolia. (*Gard.* 1891, vol. 39, p. 308.) Liliaceæ. H. A curious hybrid raised by Mr. J. Allen, Shepton Mallet, but of no horticultural value. April. (Allen.)

***Cirrhopetalum Collettii,** Hemsley. (*G. C.* 1891, ix., p. 614; *B. M.* t. 7198.) Orchideæ. S. The largest and handsomest of the Indian species. Pseudobulbs, with one thick and

leathery l.; umbel 6-flowered, flowers 5 in. long, dark purple and yellow. Upper Burma. (Kew.)

Cirrhopetalum elegantulum, Rolfe. (*G. C.* 1891, ix., p. 552; *Gfl.* 1891, p. 359.) S. "A small species too small "to be showy, though the flowers are "pretty enough, being striped with "maroon-purple on a pale ground." Madras. (J. O'Brien.)

Cirrhopetalum wendlandianum, Kränzlin. (*G. C.* 1891, vol. 9, p. 612; *Gfl.* 1891, p. 360.) S. Something in the way of *C. Collettii* with an umbel of wine-purple fl., the sep. ciliate with a few trembling clavate hairs, and having tails 6–7 in. long. British Burmah. (Botanic Garden, Herrenhausen.)

Clematis brevicaudata, DC. Ranunculaceæ. H. This is the correct name of the plant mentioned in the Kew Bulletin List of New Plants for 1889 under the name of *C. Pieroti*, Miq. (China.)

Cliveucharis pulchra, Hort. (*G. C.* 1891, ix., p. 708; *W. G.* 1891, p. 274; *Gfl.* 1891, p. 416.) Amaryllidaceæ. S. A supposed bigeneric hybrid between *Clivea* and *Eucharis grandiflora*, raised by L. van Houtte, Ghent.

***Cochlioda nœzliana,** Rolfe. (*L.* v. 6, p. 55, pl. 266; *O.* 1891, p. 290; *W. G.* 1891, p. 392; *G. and F.*, vol. 4, p. 162; *Gfl.* 1891, p. 643.) Orchideæ. S. Very similar to *C. vulcanicum*, but with rather broader pet. Syn. *Odontoglossum nœzliana*, Hort. Andes. (L'Horticulture Internationale.)

Cocos Pynærtii, Hort. (*G. C.* 1891, xi., p. 683; *G. and F.* iv., p. 293.) Palmæ. S. A seedling form of *C. weddeliana* differing only from the type in having narrower pinnæ. Syn. *C. sp.? minima glauca. Rev. de l'Hort. Belge*, 1891, xvii., p. 91, fig. 15. (F. Sander & Co.)

Cœlogyne micholizziana, Kränzlin. (*G. C.* 1891, x., p. 300; *Gfl.* 1891, p. 534.) Orchideæ. S. A new species allied to *C. speciosa*, flowers white with a brown callus. Macassar. (F. Sander & Co.)

Coryanthes leucocorys, Rolfe. (*L.* vol. 7, p. 13, pl. 293.) Orchideæ. S. A very fine and distinct species. The large sep. and pet. are greenish-yellow, marked with brown-purple, the bucket of the lip is dark purple, and the large hood is white. Peru. (L'Horticulture Internationale.)

Crinum roozenianum, O'Brien. (*G. C.* 1891, ix., p. 701; *Gfl.* 1891, p. 390.) Amaryllidaceæ. S. "It is near *C.* "*americanum*, although the growth is "something like that of *C. erubescens.*" Flowers 4–12 in an umbel, white, filaments red. Jamaica. (A. Roozen & Co., Haarlem.)

***Crocus biflorus,** var. **Leichtlinii,** Dewar. (*G. C.* 1891, vol. ix., p. 235.) Iridæ. H. A new variety of *C. biflorus* from Mardin, with white or pale purple fragrant flowers, having narrow lanceolate segments. (Kew.)

Cycnoches peruvianum, Rolfe. (*L.* v. 7, p. 29, pl. 301.) Orchideæ. S. A curious species allied to *C. ventricosum*, having a drooping raceme of pale green fl., spotted with purple-brown, and a remarkable lip, white in colour, and cut into radiating clavate processes. Peru. (L'Horticulture Internationale.)

Cycnoches rossianum, Rolfe. (*G. C.* 1891, ix., p. 456.) S. A new species. Male flowers on slender racemes, flowers 1½ in. diam., yellowish-green with brown spots; female raceme one-flowered, twice as large as the male, and coloured bright green. Origin unknown. (H. J. Ross, Florence.)

Cymbidium pulcherrimum, Hort. (*G. C.* 1891, x., p. 712.) S. A new species with grassy leaves and a stout scape bearing about a dozen waxy white flowers striped and flushed with crimson. Northern India. (F. Sander & Co.)

Cypripedium Alcides, Rolfe. (*G. C.* 1891, ix., p. 40.) Orchideæ. S. A hybrid between *C. hirsutissimum* and *C. insigne*, raised by F. Sander & Co.

Cypripedium amabile, Bleu. (*R. H.* 1891, p. 496, with plate.) S. A garden hybrid between *C. javanico-superbiens* and *C. Hookeræ*. (A. Bleu.)

Cypripedium Berenice, Rolfe. (*G. C.* 1891, ix., p. 136.) S. A hybrid between *C. Rœbelenii* and *C. Lowii*, raised by Captain Vipan, Wansford.

Cypripedium bragaianum, L. Lind. (*L.* vol. 6, p. 81, pl. 279.) S. A garden hybrid between *C. hirsutissimum*, var. *cærulescens*, and *C. Boxallii*, var. *atratum*. (L'Horticulture Internationale.)

Cypripedium Browni, Hort. (*G. C.* 1891, x., p. 49.) S. A hybrid between *C. magnificum* and *C. leucorrhodum*, raised by Messrs. Pitcher & Manda, Swanley.

*Cypripedium californicum, Gray. (*B. M.* t. 7188.) H. A small flowered pretty species inhabiting damp woods in the northern parts of California. Stem 1–2 ft. high, l. broadly ovate, nerved, fl. small, sepals dull yellow, lip white spotted with pale brown. Closely allied to *C. passerinum*. May. (W. E. Gumbleton; Kew.)

Cypripedium Ceres, N. E. Brown. (*G. C.* 1891, ix., p. 360.) S. A hybrid between *C. hirsutissimum* and *C. spicerianum*, raised by D. O. Drewett.

Cypripedium corningianum, Hort. (*G. M.* 1891, Aug., p. 495.) A hybrid between *C. superbiens* and *C. philippinense*, raised by J. Veitch & Sons.

Cypripedium desboisianum, Hort. (*L.* vol. 6, p. 77, pl. 277; *W. G.* 1891, p. 275.) S. A garden hybrid between *C. venustum* and *C. Boxallii*, var. *atratum*. (L'Horticulture Internationale.)

Cypripedium Engelhardtæ, L. Lind. (*L.* vol. 6, p. 81, and p. 93, pl. 285.) S. A garden hybrid between *C. insigne*, var. *Maulei*, and *C. spicerianum*. (L'Horticulture Internationale.)

Cypripedium Godefroyi, var. luteum, O'Brien. (*G. C.* 1891, x., p. 393; *Gfl.* 1891, p. 642.) S. Differs from the type in the ground colour of the flowers being yellow instead of white, and the spots pale rosy-lilac. (H. Low & Co.)

Cypripedium insigne, var. longisepalum, Rolfe. (*G. C.* 1891, ix., p. 72.) S. Differs from the type in having a narrow dorsal sepal 2½ in. long and in having no spots. (F. Sander & Co.)

Cypripedium javanico-spicerianum, God. Leb. (*O.* 1891, p. 287.) S. A garden hybrid between *C. javanicum* and *C. spicerianum*.

Cypripedium Juno, N. E. Brown. (*G. C.* 1891, ix., p. 360.) S. A hybrid between *C. callosum* and *C. fairieanum*, raised by D. O. Drewett.

Cypripedium macrochilum, O'Brien. (*G. C.* 1891, x., p. 343, fig. 40.) S. A hybrid between *C. longifolium* and *C. Lindeni*, raised by Veitch & Sons.

Cypripedium Macfarlanei, Kränzlin. (*G. C.* 1891, x., p. 300; *Gfl.* 1891, p. 534.) S. A hybrid between *C. calophyllum* and *C. spicerianum*, raised by F. Sander & Co.

Cypripedium Niobe, var. superbum, Hort. (*G. C.* 1891, x., p. 591.) S. A superior variety of the hybrid raised from *C. spicerianum* and *C. fairieanum* by J. Veitch & Sons.

Cypripedium Orpheus, Rolfe. (*G. C.* 1891, ix., p. 39.) S. A hybrid between *C. venustum* and *C. callosum*, raised by Sander & Co.

Cypripedium Pallas, N. E. Brown. (*G. C.* 1891, ix., p. 360.) S. A hybrid between *C. callosum* and *C. calophyllum*, raised by D. O. Drewett.

Cyrtanthus parviflorus, Baker. (*G. C.* 1891, ix., p. 104.) Amaryllidaceæ. S. Allied to *C. angustifolius*. Flowers bright scarlet, produced along with the linear leaves in January. (D. Paul, Norwich.)

Dabœcia cantabrica, Huds. var. calyculata, Dieck. (*Nat. Arb. Zösch.* 1891, p. 14; *G. C.* 1891, vol. 9, p. 461.) Ericaceæ. H. shr. producing both red and white fl. A form in which the calyx is developed so as to give it the appearance of having double flowers. Garden variety.

Daphne glomerata, Lam. (*Nat. Arb. Zösch.* 1891, p. 14.) Thymeleaceæ. H. A dwarf shr., something in the way of *D. blagayana*, with naked stems crowned by a rosette of oblanceolate obtuse l., among which are clustered the umbels of lilac-purple fl. Caucasus, Armenia. (Dieck.)

Dendrobium dalhousieanum, var. luteum, J. O'Brien. (*G. C.* 1891, ix., p. 728.) Orchideæ. S. A straw-yellow flowered form. India. (General E. S. Berkeley.)

Dendrobium niveum, Rolfe. (*G. C.* 1891, ix., p. 104.) S. A new name proposed for the species described by Reichenbach in 1882 as *D. Macfarlanei*, the latter name having previously been given to a Dendrobium from New Guinea by F. Mueller.

Dendrobium leeanum, Hort. (*G. C.* 1891, x., p. 591, 640.) S. A new species with tall slightly compressed pseudobulbs, not unlike *D. superbiens* in habit and form of flowers, which are white, mottled with rose, tinged with green at the base of the lip. New Guinea. (F. Sander & Co.)

*Dipladenia illustris, A. DC. var. glabra, Muell. (*B. M.* t. 7156; *Gfl.* 1891, p. 333; *Bull. Cat.* 1891, p. 4.) Apocynaceæ. A handsome stove climber with a woody rootstock, annual climbing stems, leathery ovate leaves, and large rosy-red flowers. Brazil. (Kew.)

*Disa Veitchii, Hort. (*G. and F.* 1891, iv., p. 305; *G. C.* 1891, ix., p. 741.)

Orchideæ. G. A hybrid between *D. grandiflora* and *D. racemosa*, raised by J. Veitch & Sons.

***Dissotis incana,** Triana. (*G. C.* 1891, ix., p. 204, fig. 46.) Melastomaceæ. G. or S. This plant was in cultivation 50 years ago when it was figured in *B. M.* t. 3790. It has been reintroduced from Natal where it is known as *Osbeckia umlaasiana*. Greenhouse. (Kew.)

Dolichandra cynanchoides, Seem. (*B. T. O.* 1891, p. 112, t. 4; *W. G.* 1891, p. 282.) Bignoniaceæ. G. An ornamental climber with opposite l., each with two oblong leaflets and often ending in a tendril. Peduncles axillary with 1–3 long-tubed red fl. Argentine.

Dryas lanata, Stein. (*G. C.* 1891, vol. ix., p. 340.) Rosaceæ. H. A Tyrolese form of *D. octopetala* with woolly leaves. July. Tyrol. (H. Correvon.)

***Drymophlœus appendiculata,** Scheff. (*B. M.* 7202.) Palmæ. S. A dwarf palm with large cuneate leaf segments and lateral flower-scapes. It matures fruit annually under cultivation at Kew. Syn. *D. oliveæformis, G. and F.* 1891, p. 330, f. 57; *W. G.* 1891, p. 392.

Elæodendron sphœrophyllum, var. **pubescens,** N. E. Brown. (*G. C.* 1891, ix., p. 393.) Celastraceæ. G. and H. H. A branching leafy evergreen shrub from South Africa, cultivated in some parts of Italy as *Guevina avellana*.

Epidendrum dellense, O'Brien. (*G. C.* 1891, ix., p. 584; *Gfl.* 1891, p. 360.) Orchideæ. S. A hybrid between *E. xanthinum* and *E. radicans*, raised by Baron Schroder.

Epidendrum mooreanum, Rolfe. (*Kew Bull.* 1891, p. 199.) S. Allied to *E. stellata*, with linear l. 1 ft. long, and a lax panicle of moderate-sized, green and purple, fragrant fl. Costa Rica. (Glasnevin Botanic Garden; W. Bull.)

Epidendrum pusillum, Rolfe. (*G. C.* 1891, x., p. 669.) S. A small species allied to *E. lampense*, Ldl.; pseudobulbs ovoid-globose, leaves 5 in. long, raceme one-flowered, flower yellowish-green freckled with brown. Brazil.

***Epiphyllum Gærtneri,** Hook. f. (*B. M.* t. 7201; *G. and F.* iv., p. 210.) Cactaceæ. G. A third species of this genus, previously considered to be only a variety of *E. russellianum*. Syn. *E. makoyanum*, Hort. (Kew.)

Erysimum Wahlenbergii, Simonkai (*G. C.* 1891, vol. x., p. 190.) Cruciferæ. H. A showy perennial species. Stem 2 ft. high, branched, l. lanceolate, toothed, fl. bright yellow. July. Transylvania. (Kew.)

***Eucryphia Billiardieri,** Spach, var. **Milligani,** Hook. f. (*B. M.* t. 7200; *Gfl.* 1891, p. 611.) Rosaceæ. A handsome white-flowered evergreen tree or shrub. Tasmania. (Kew.)

Eulophia nuda, Ldl. (*G. C.* 1891, ix., p. 701.) Orchideæ. S. Raceme erect, preceding the leaves, flowers medium-sized, rosy-lilac. India. (Sir T. Lawrence.)

***Forsythia intermedia,** Zabel. (*Gfl.* 1891, p. 395, and 397, f. 82, 1–4.) Oleaceæ. H. shr. A garden hybrid between *F. suspensa* and *F. viridissima*.

***Galanthus Alleni,** Baker. (*G. C.* 1891, vol. ix., p. 298; *Gfl.* 1891, p. 246.) Amaryllideæ. H. A beautiful new species mid-way between *G. latifolius* and *G. caucasicus*, l. short, broad, glaucous fl. white. March. Caucasus. (Allen; Kew.)

Galanthus nivalis, var. **Atkinsi,** Hort. (*Gfl.* 1891, p. 246.) H. A garden variety with large fl.

Galanthus nivalis, var. **Elsæ,** Burbidge. (*Gard.* 1891, vol. 39, p. 243.) Amaryllideæ. H. Nearly allied to *G. corcyrensis*, but having larger flowers, and stouter leaves. November to January. Mount Athos, Macedonia. (Burbidge.)

Galanthus nivalis, var. **Racheliæ,** Burbidge. (*Gard.* 1891, vol. 39, p. 243.) Amaryllideæ, H. Allied to var. *Elsæ*, more robust and with larger flowers. October and November. Mount Hymettus. (Burbidge.)

Gomphocarpus sinaicus, Hochst. (*W. G.* 1891, 448, f. 85.) Asclepiadaceæ. G. or H. H. This is a synonym of the common *G. fruticosus*. Syria to S. Africa. (Dammann & Co.)

***Habenaria carnea,** N. E. Brown. (*G. and F.* 1891, iv., p. 475, f. 76; *G. C.* 1891, x., p. 729, fig. 105.) Orchideæ. S. A new species with ovate leaves spotted with grey, and an erect scape bearing three to five flowers of an uniform pale pink colour. Singapore. (Kew.)

Hæmaria Otletæ, Rolfe. (*Ill. H.* vol. 38, p. 31, pl. 124.) Orchideæ. S. A beautiful Anæctochilus-like plant 6–10 in. high, with lanceolate acute l., of a dark olive-green veined with coppery. The

fl. are arranged in a lax spike, white with a yellow-tinted one-sided lip. Tonkin. (L'Horticulture Internationale.)

Helenium Bolanderi, A. Gr. (*R. H.* 1891, p. 377, f. 93–94.) Compositæ. H. per. of vigorous habit and very free flowering, 1½–2 ft. high, with lanceolate acute l. and solitary heads of fl. about 2 inches in diam., the ray bright yellow, the disk dark brown. N. America.

***Hermannia cristata,** Bolus. (*B. M.* t. 7173.) Sterculiaceæ. G. shr. A dwarf plant with a woody rootstock, thin wiry stems, lanceolate toothed leaves and drooping axillary flowers ¾ in. long, coloured orange-red. Transvaal. (Kew.)

Hibiscus californicus, Kellogg. (*W. G.* 1891, p. 484.) Malvaceæ. H. shr. 5–6 ft. high, something in the way of *H. palustris* with large white fl. 5–5½ in. in diam., purple in the centre. California. (Lemoine.)

***Hibiscus calycinus,** Willd. (*G. C.* 1891, x., p. 462.) S. shr. The correct name of the plant introduced and distributed a few years ago under the name of *H. chrysanthus*. Native of Natal.

***Hibiscus surattensis,** Linn. (*G. C.* 1891, ix., p. 529, fig. 105.) S. A scandent species, with palmately lobed leaves, and cupped flowers, 2 in. across, yellow with a crimson eye. The curiously formed involucre gives this species a special interest. Tropics. (Kew.)

Hibiscus venustus, Blume. (*B. M.* t. 7183; *Gfl.* 1891, p. 440.) S. A handsome tall shrub, with obed orbicular leaves 18 in. diam., and creamy-yellow flowers 3 in. across. Its nearest ally is *H. mutabilis*. Tahiti? (A. Kingsmill, Harrow.)

Hypericum Buckleyi, M. A. Curtis. (*G. and F.* vol. iv., p. 581, fig. 91.) Hypericineæ. A dwarf shrubby species with solitary, terminal, bright yellow flowers, one inch across. North Carolina. (Arnold Arboretum.)

Ilex monticola, A. Gr. (*Nat. Arb. Zösch.* 1891, p. 15.) Ilicineæ. H. shr., with elliptic acuminate l., acute at the base, finely serrate, and rather thin in texture; berries solitary, axillary red. Eastern United States. (Dieck.)

***Impatiens mirabilis,** Hook. f. (*B. M.* t. 7195.) Geraniaceæ. S. A new species with an erect naked trunk that attains 4 ft. in height and the thickness of a man's leg. Leaves nearly a foot long, fleshy, green; flowers curiously inflated, golden yellow. Langkawi Island. (Kew; J. Veitch & Sons.)

Ipomœa camerunensis, Taub. (*Gfl.* 1891, p. 393, t. 1352.) S. climber. This is merely an entire leaved form of **I. paniculata.** Cameroons. (Berlin Botanic Garden.)

Iris argentea, André. (*R. H.* 1891, p. 36, with plate.) Iridaceæ. H. per. A variety of *I. xiphioides*, with white falls blotched with purple. Garden variety. (Thiebaut, Paris.)

***Iris fosteriana,** Baker. (*B. M.* t. 7215; *G. C.* 1891, vol. ix., p. 496.) H. A very fine Iris of the *Caucasica* set. Sep. and standards primrose-yellow, limb spoon-shaped, deep violet. (Michael Foster, Kew.)

***Iris robinsoniana,** F. Müll. (*Gard.* 1891, pl. 825; *G. C.* 1891, ix., p. 457; *G. and F.* 1891, iv., p. 352, f. 60.) G. The gigantic Iris from Lord Howe's Island. It has been in cultivation for some years, but flowered for the first time at Kew this year. This plant is also named **Moræa robinsoniana.** (Moore & Muell.)

Jasminum polyanthum, Franchet. (*R. H.* 1891, p. 270; *W. G.* 1891, p. 403; *B. T. O.* 1891, p. 289.) Oleaceæ. G. shr. A free flowering species with pinnate l., and panicles of long-tubed fl., pink outside, white within. Yunnan, China.

Kirengeshoma palmata, Yatabe. (*G. C.* 1891, ix., p. 202; *W. G.* 1891, p. 159.) A new genus of Saxifrageæ, allied to Hydrangea.

Kniphofia. (*B. T. O.* 1891, p. 81.) Liliaceæ. H. per. At the above place a large number of garden hybrids derived from *K. uvaria*, *K. Macowani*, *K. Rooperi*, and *K. Burchellii*, are briefly described. (Dammann & Co.)

Lachenalia Comesii, Sprenger. (*Gfl.* 1891, p. 358, f. 77.) Liliaceæ. G. bulb. A garden hybrid between *E. reflexa* and *L. quadricolor*.

Lachenalia regeliana, Sprenger. (*Gfl.* 1891, p. 356, f. 76.) G. bulb. A garden hybrid between *L. reflexa* and *L. aurea*.

Lælia anceps, var. **holocheila,** Rolfe. (*G. C.* 1891, ix., p. 426; *G. and F.* iv., p. 173, fig. 31.) Orchideæ. S. Differs from the type in having an entire narrow labellum. (The Liverpool Hort. Co.)

Lælia arnoldiana, Hort. Sand. (*G. C.* 1891, vol. 9, p. 740; *J. of H.* 1891, p. 491, f. 93; *G. and F.* 191, vol. 4, p. 305.) S. A garden hybrid between *L. purpurata* and *Cattleya labiata*. Syn. *Lælio-cattleya arnoldiana*. (Rolfe.)

Lælia crispa, Rchb. f. var. **Cauwelaertiæ,** Lind. (*Ill. H.* vol. 38, p. 19, l. 121.) S. A variety with the basal half of the lip of a greenish-yellow colour. Brazil. (Dr. van Cauwelaert.)

Lælia gottoiana, Hort. (*G. M.* 1891, June, p. 379.) S. A variety or natural hybrid imported along with *L. grandis*. Flowers 7 in. across, rose coloured, lip purple, lined with maroon. (E. Gotto, Hampstead.)

Lælia grandis, Lindl. var. **tenebrosa,** God. Leb. (*O.* 1891, p. 161; *G. C.* 1891, vol. 10, p. 126; *R.* 2nd ser., p. 69, t. 33; *L.* vol. 7, p. 7, pl. 290; *Gfl.* 1891, p. 495.) S. A handsome form with coppery bronze sep. and pet., and a trumpet-shaped lip of a rich purple bordered with white. Sierra da Itaraca, Brazil. (Binot; L'Horticulture Internationale, etc.)

Læliocattleya arnoldiana, Rolfe. (*L.* v. 7, p. 25, pl. 299.) Orchideæ. S. This is the same as *Lælia arnoldiana*.

Ligustrum medium, Fr. and Sav. (*Nat. Arb. Zösch.* 1891, p. 15.) Oleaceæ. H. shr. or small tree with broadly lanceolate acute l. and terminal panicles of small white fl. Japan. (Dieck.)

Lilium Elisabethæ, Leichtlin. (*W. G.* 1891, p. 198.) Liliaceæ. This is the same as *L. japonicum*, Thunb., (*L. Krameri*, Hk. f.) Japan. (Vilmorin; Leichtlin.)

***Lilium longiflorum,** var. **chloraster,** Baker. (*G. C.* 1891, vol. x., pp. 66 and 225.) H. A well marked variety of *L. longiflorum*, fl. resembling those of *L. Browni*, pollen red-brown. Central China. July. (Kew.)

Lilium Lowii, Baker. (*G. and F.* 1891, iv., p. 352.) S. A new species closely related to *L. nepalense*, but having smaller leaves and white flowers with a few purple blotches. N. India. (H. Low & Co.)

***Lilium Martagon × Hansoni,** Baker. (*G. C.* 1891, x., p. 94.) H. A hybrid between the two species named, raised by C. G. van Tubergen, Haarlem.

Livistona enervis, Hort. (*W. G.* 1891, p. 346.) Palmæ. S. An ornamental Palm with deeply divided fan-shaped l., the segments of which are only half an inch broad, and very delicate in texture. ? *L. inermis*, R. Br.

Lonicera tangutica, Maxim. (*Gfl.* 1891, p. 580.) Caprifoliaceæ. H. shr. with oblong or obovate-oblong l., glaucous beneath, and pairs of small yellowish fl. on long slender peduncles, succeeded by globose red berries. Kansu. (St. Petersburg Forest Institute.)

Lonicera tatarica, L. var. **grandibracteata,** Wolf. (*Gfl.* 1891, p. 486, f. 90.) H. shr. A seedling variety with large leafy bracts. (St. Petersburg Forest Institute.)

Lycaste Skinneri, Ldl. var. **armeniaca,** Sand. (*R.* 2nd ser., v. 1, p. 39, t. 18.) Orchideæ. S. A beautiful variety with an apricot-yellow lip. (Sander & Co.)

Lysimachia paridiformis, Franch. (*G. C.* 1891, vol. x., p. 190; *W. G.* 1891, p. 398; *Gfl.* 1891, p. 495.) Primulaceæ. H. A most remarkable species resembling *Paris quadrifolia*, l. oval, tapering to both ends, fl. axillary bright yellow. Central China. July. (Kew.)

***Magnolia Watsoni,** Hook. f. (*B. M.* 7157; *G. C.* 1891, vol. 10, p. 34; *G. and F.* vol. 4, p. 112.) Magnoliaceæ. A deciduous species with large creamy-white flowers with blood-red filaments. This plant is grown in some gardens under name of *M. parviflora*. Japan. (Kew; J. Veitch & Sons.)

Malus dasyphylla, Borkh. var. **armeniæfolia,** Dochn. (*G. C.* 1891, vol. 9, p. 461; *Nat. Arb. Zösch.* 1891, p. 16.) Rosaceæ. H. tree. "A form "of the wild apple from the Levant, "with tomentose leaves, which are "much more like those of a plum than "those of an apricot, though the name "points to the latter." (Zöschen Arboretum.)

Malus medwietzkyana, Dieck. (*G. C.* 1891, vol. 9, p. 461; *Nat. Arb. Zösch.* 1891, p. 16; *W. G.* 1891, p. 164.) H. tree. "Except the old leaves, all parts "of the tree are red, bark and wood, as "well as flowers and fruits, which "resemble small Sina-apples; even the "pulp, which has a fine flavour, is of a "dark rosy colour." Siberia, &c. (Zöschen Arboretum.)

***Malus Parkmanni flore pleno,** Hort. (*G. C.* 1891, vol. 9, p. 461.) A synonym of **Pyrus Parkmanni.** "This "beautiful tree or large shrub was "obtained under this name from "America. It shows relationships to "*M. spectabilis* and *floribunda*; it is, "perhaps, a hybrid between these two "species."

*Maranta arundinacea, var. variegata, Ridley. (*G. C.* 1891, ix., p. 73.) Scitamineæ. S. This is the correct name of the plant cultivated in gardens under the name of *Phrynium variegatum*. Origin unknown.

*Mariscus umbilensis, C. B. Clarke. (*G. C.* 1891, x., p. 190.) Cyperaceæ. S. The correct name of the plant cultivated in England as *Cyperus natalensis*.

Masdevallia falcata, O'Brien. (*G. C.* 1891, ix., p. 552.) Orchideæ. S. A hybrid between *M. Lindeni* and *M. Veitchii*, raised by D. O. Drewett.

Masdevallia harryana, Rchb. f. var. splendens, Sand. (*R.* 2nd ser., v. 1, p. 55, t. 26.) S. A form with very large and dark magenta-purple fl. (Glasnevin Botanic Garden.)

Masdevallia mundyana, Hort. (*G. and F.* 1891, iv., p. 293.) S. A hybrid between *M. Veitchii* and *M. ignea*, var. *aurantiaca*, raised by F. Sander & Co.

Megaclinium Clarkei, Rolfe. (*Kew Bull.* 1891, p. 198.) Orchideæ. S. Bulbs an inch long, bearing two oblong obtuse l., and a flattened fl.-spike, fl. small, green and purple. West tropical Africa. (Col. Trevor Clarke.)

Megaclinium leucorhachis, Rolfe. (*Kew Bull.* 1891, p. 198.) S. Bulbs with one linear-oblong obtuse l., fl.-spike flat, nearly white with deep yellow fl. Tropical Africa? (Sir Trevor Lawrence.)

Melampodium ovatifolium, Rchb. (*B. T. O.* 1891, p. 111.) Compositæ. H. annual. This is a synonym of *M. divaricatum*, DC.

Miltonia Regnellii, Rchb. f. var. purpurea, Pynaert. (*R. H. B.* 1891, p. 253, with pl.) Orchideæ. S. A fine variety with bright purple fl. marked with darker veins on the lip. Brazil. (Pynaert.)

Miltonia vexillaria, Rchb. f. var. sanderiana, O'Brien. (*G. C.* 1891, vol. 10, p. 394; *G. and F.* vol. 4, p. 545.) S. This is a synonym of the variety Leopoldii. see *Kew Bulletin*, 1890, *Appendix* II.; and *R. H. B.*, 1891, p. 73, with pl. (Sander & Co.)

Mormodes lawrenceanum, Rolfe. (*L.* vol. 6, p. 69, pl. 273.) Orchideæ. S. Allied to *M. Cartoni*, having long racemes of good-sized yellowish fl. The lip dotted with brown. Columbia. (L'Horticulture Internationale.)

Mormodes punctatum, Rolfe. (*G. C.* 1891, x., p. 696.) S. A new species allied to *M. Wendlandii*, Rchb. f. Pseudobulbs 3½ in. long, leaf 10 in. long; raceme erect bearing several flowers, coloured yellowish-brown spotted with chestnut. (M. Gustave Bral, Ghent.)

Mormodes rolfeanum, L. Lind. (*L.* v. 7, p. 5, pl. 289.) S. This has a lax raceme of large fl. green tinted with brown and marked with dark green nerves; lip brownish-crimson above, yellowish-green beneath. Peru. (L'Horticulture Internationale.)

*Musa Basjoo, Sieb. and Zucc. (*B. M.* 7182; *Gfl.* 1891, p. 439; *W. G.* 1891, p. 445.) Scitamineæ. S. This is the correct name for the plant introduced from Japan by J. Veitch & Sons, and distributed by them as *M. japonica*.

Mutisia viciæfolia, Carr. (*R. H.* 1891, p. 228, with pl.; *W. G.* 1891, p. 283.) Compositæ. G. or H. H. climber of great beauty, with pinnate l. like those of a Vetch, and large radiate heads of bright orange fl. Peru, Bolivia, Chili. (Constant, Golfe Juan; Thuret, Antibes.)

Napoleona Miersii, Hook. f. (*B. M.* t. 7199.) Myrtaceæ. S. shr. This name has been given to the plant hitherto cultivated under the erroneous name of *N. Whitfieldii*.

Narcissus Fenzii, Sprenger. (*Gfl.* 1891, p. 428, f. 84; *B. T. O.* 1891, p. 100.) Amaryllidaceæ. H. bulb. A garden hybrid between *N. pseudonarcissus* and *N. cypri*. (Dammann & Co.)

Narcissus Margaritæ, Sprenger. (*Gfl.* 1891, p. 491, f. 91.) H. bulb. A garden hybrid between *N. pseudonarcissus* and *N. papyraceus*.

Narcissus Victoriæ, Sprenger. (*Gfl.* 1891, p. 453, f. 86.) H. bulb. A garden hybrid between *N. pseudonarcissus* and *N. aureus*.

*Neobenthamia gracilis, Rolfe. (*G. C.* 1891, x., p. 272, fig. 33; *Gfl.* 1891, p. 534.) Orchideæ. S. A new genus of the tribe Vandeæ, allied to *Bromheadia*. It has long thin bamboo-like stems, narrow leaves and terminal many-flowered racemes. The flowers are nearly an inch across and pure white. Zanzibar. (Kew.)

Nerine pancratioides, Baker. (*G. C.* 1891, x., p. 576.) Amaryllidaceæ. G. bulb. A new species with long narrow leaves subterete in the lower half. Scape 2 ft. high. Umbel 12 to 20 flowered, perianth white, 1 in. long with small square bifid scales between each of the filaments as in *Pancratium*. Natal. (J. O'Brien.)

Odontoglossum andersonianum, var. **imperiale,** O'Brien. (*G. C.* 1891, ix., p. 330.) Orchideæ. S. A variety with large flowers, the segments broad, with large blotches of chestnut-red on a straw-yellow ground. (W. J. Thomson, St. Helens.)

Odontoglossum Bergmanni, L. Lind. (*L.* vol. 6, p. 95, pl. 286.) S. A form of *O. crispum* which appears to be the same as var. *Stevensii*. The fl. are white with large brown blotches. (Bergman.)

Odontoglossum clæsianum, L. Lind. (*L.* vol. 6, p. 65, pl. 271.) A supposed hybrid between *O. crispum* and *O. luteopur-pureum* or *O. odoratum*. Fl. white, blotched with brownish-crimson. Columbia. (L'Horticulture Internationale.)

Odontoglossum cookianum, Rolfe. (*G. C.* 1891, x., p. 696.) S. A supposed natural hybrid between *O. triumphans* and *O. sanderianum*. It has deep yellow sepals and petals with numerous chestnut blotches, the lip being exactly like that of *O. sanderianum*. (M. C. Cook, Kingston Hill.)

Odontoglossum crispum, Lindl. var. **bluthiana,** Damm. (*Gfl.* 1891, p. 482, t. 1356.) S. A delicate form with pale mauve sep. and pet. without spots. (F. Bluth, Steglitz.)

Odontoglossum dellense, O'Brien. (*G. C.* 1891, ix., p. 521.) S. Supposed to be a natural hybrid between *O. Pescatorei* and *O. prænitens*. (Baron Schroder.)

Odontoglossum godseffianum, Rolfe. (*G. C.* 1891, x., p. 728.) S. A supposed natural hybrid between *O. triumphans* and *O. lindleyanum*. It might be described as *O. triumphans* with acuminate segments, and the lip of *O. coradinei*. (Sander & Co.)

Odontoglossum Hennisii, Rolfe. (*G. C.* 1891, x., p. 158; *Gfl.* 1891, p. 495.) S. A new species resembling *O. odoratum*, Ldl. Sepals and petals yellow with brown spots, lip white and brown. Peru or Ecuador. (Shuttleworth, Charlesworth & Co.)

Odontoglossum imschootianum, Rolfe. (*G. C.* 1891, x., p. 758.) S. Supposed to be a natural hybrid between *O. tripudians* and *O. lindleyanum*. It is very similar to the latter. (Imschoot, Ghent.)

Odontoglossum leroyanum, God. Leb. (*O.* 1891, p. 112, with pl.) S. A garden hybrid between *O. crispum* and *O. luteopurpureum*. (Leroy, Armainvilliers.)

Odontoglossum luteopurpureum, var. **amesianum,** Hort. (*G. C.* 1891, ix., p. 344.) S. "Flowers of a pale yellow-green colour." (Sander & Co.)

Odontoglossum ornatum, Hort. (*W. G.* 1891, p. 341.) S. A beautiful form with regular fl. creamy-white in the centre, and marked with small red spots. Columbia. (Vuylsteeke, Loochristy-les-Gand.)

Odontoglossum ortgiesianum, Sand. (*Gfl.* 1891, p. 617, t. 1360.) S. A supposed natural hybrid between *O. crispum* and *O. odoratum*. The fl. are white, edged with yellow, spotted with deep red. Columbia. (Ortgies.)

Odontoglossum picturatum, Hort. (*W. G.* 1891, p. 341.) S. The fl. are similar to those of the section to which *O. gloriosum* belongs; they are of a fine yellow speckled with brown. (Vuylsteeke, Loochristy-les-Gand.)

Odontoglossum Rossii, Lind. var. **albens,** Will. (*Williams O. A.* vol. 10, pl. 434.) S. A form spotted with yellow, instead of brown. Mexico. (R. Young, Linnet Lane, Liverpool.)

Odontoglossum Seringa, Hort. (*W. G.* 1891, p. 341.) S. A form with very round fl., somewhat smaller than that of *O. Alexandræ*, the centre of the fl. is white, the sep. and pet. are bordered with yellow, and the entire fl. is spotted with irregular patches of brown-red. Seringa, Columbia. (Vuylsteeke, Loochristy-les-Gand.)

Odontoglossum, wilckeanum, Rchb. f. var. **atropurpureum,** Hort. (*W. G.* 1891, p. 341.) S. A variety with an edging of yellow to the red sep. and pet. Columbia. Syn. *O. Zaldua* and *O. President Zaldua*. (Vuylsteeke, Loochristy-les-Gand.)

Odontoglossum wilckeanum, Rchb. f. var. **rothschildianum,** Sand. (*R.* 2nd ser., v. 1, p. 47, t. 22; *Gfl.* 1891, p. 495.) S. A form with large yellow fl. blotched with dark red-brown. Bogota. (Sander & Co.)

Oncidium Forbesii, var. measuresianum, Kränzlin. (*G. C.* 1891, x., p. 227.) S. A variety with pure golden-yellow flowers with a very narrow border of purplish-brown. (R. H. Measures, Streatham.)

Oncidium larkinianum, Hort. (*G. C.* 1891, ix., p. 532.) S. Supposed to be a natural hybrid between *O. curtum* and *O. barclayanum.* (J. Larkin, Watford.)

Oncidium leopoldianum, Rolfe. (*L.* vol. 6, p. 71, pl. 274.) S. A new species with a long panicle bearing as many as 300 fl. white, with the central area of the sep. and pet.; and the front lobe of the lip mauve-purple, the base of the lip being yellow. (L'Horticulture Internationale.)

***Oncidium urophyllum,** Ldl. (*G. C.* 1891, ix., p. 701.) S. Figured by Lindley in 1841 from a plant in the Loddiges collection, said to have been imported from Brazil. It has recently been reintroduced to Kew from the island of Antigua. It has a drooping panicle 4 ft. long of clear yellow flowers with a few brown markings.

***Ornithogalum Saundersiæ,** Baker. (*G. C.* 1891, x., p. 452.) Liliaceæ. G. bulb. A new species allied to *O. arabicum,* L. Scape 3 ft. high bearing an umbel of about 20 flowers, 1 in. across, white, tinged outside with green. Transvaal. (Kew.)

Orphanidesia gaultherioides, Boiss. (*Nat. Arb. Zösch.* 1891, p. 17; *Gfl.* 1891, p. 469, f. 87.) Ericaceæ. H. A dwarf shrubby plant, with prostrate leafy branches, covered with stiff hairs and glands. L. oblong acute, rough beneath. Peduncles 1–2 flowered; the calyx-lobes are large and the corolla hypocrateriform, colour not stated. Caucasus. (Dieck.)

Pachyrhizus thunbergianus, S. and Z. (*G. C.* 1891, ix., p. 247.) *See* **Pueraria thunbergiana.**

Papaver glaucum, Boiss. and Haussk. (*Gfl.* 1891, p. 608, f. 116–117.) Papaveraceæ. H. annual. A very distinct species with pinnatifid glaucous l. and solitary fl. 3–4 in. in diam. of a deep scarlet-red colour, and remarkable in having the petals arranged in the form of a double cup. Armenia. (Max Leichtlin; Ernst Benary, Erfurt.)

***Pelexia olivacea,** Rolfe. (*Kew Bull.* 1891, p. 200.) Orchideæ. S. An unattractive species with dull olive-green l. marked with two silvery bands. Scape and fl. pubescent; sep. olive-green; pet. and lip white. Andes. (Kew.)

Pennisetum triflorum, Nees. (*Jard.* 1891, p. 213.) Gramineæ. An ornamental grass with elegant, tail-like, white or purple fl.-spikes growing to a foot in length. India. (Vilmorin.)

Pennisetum villosum, R. Br. (*Jard.* 1891, p. 213, with fig.) S. per., or may be treated as a H. H. annual. An ornamental grass of tufted habit with long, dense, plumose, white spikes. Abyssinia. (Vilmorin.)

Peristeria aspersa, Rolfe. (*L.* vol. 6, p. 57, pl. 267.) Orchideæ. S. An interesting species in the way of *P. Rossii,* having a short raceme with about 10 large yellow-brown fl. covered with brownish-red dots, and the front of the lip dark crimson. Venezuela. (L'Horticulture Internationale.)

Phaius maculato-grandifolius, Hort. (*G. C.* 1891, x., p. 591.) Orchideæ. S. A hybrid between the two species indicated by the specific name, raised by J. Veitch & Sons.

Pholidota repens, Rolfe. (*Kew Bull.* 1891, p. 199.) Orchideæ S. Rhizome creeping, jointed; l. 3–4 in. long, oblanceolate; racemes short, recurved; fl. small, flesh-pink. India. (O'Brien.)

Phyllocactus albus superbissimus, Haage & Schmidt. (*Gfl.* 1891, p. 258.) Cactaceæ. G. A garden seedling with large yellowish-white fl. (Haage & Schmidt.)

Physosiphon guatemalensis, Rolfe. (*Kew Bull.* 1891, p. 197.) Orchideæ. S. A small species allied to *P. Loddigesii,* with oblong l. and a raceme of small yellow and purple fl., Guatemala. (Glasnevin Botanic Garden.)

Picea orientalis, var. nana, Carr. (*R. H.* 1891, p. 120.) Coniferæ. H. shr. A form of pyramidal habit depressed and enlarged at the base. Garden variety. (Croux et fils.)

***Pinguicula lutea,** Nuttall. (*G. C.* 1891, ix., p. 729; *B. M.* t. 7203.) Lentibulariaceæ. G. First introduced in 1816, but long since lost until it reappeared at Kew recently. It is similar to *P. vulgaris,* but has sulphur-yellow flowers, the segments nearly regular. S. United States.

Pinus patula, Scheide and Deppe, var. **macrocarpa,** Schiede. (*G. C.* 1891, vol. ix., p. 435, fig. 92.) Coniferæ. H. A form with cones much larger

than those of the type. "Pinus del Doctor." Mexico. (Fratelli Rovelli.)

Polystachya bulbophylloides, Rolfe. (*Kew Bull.* 1891, p. 199.) Orchideæ. S. A minute species with the habit of a small Bulbophyllum, and subsessile white fl. with an orange spot on the lip. West Coast of Africa. (O'Brien.)

***Primula Forbesii,** Franchet. (*Gard.* 1891, vol. 40, p. 556.) Primulaceæ. H.? A new Primrose, midway between *P. cortusoides*, which it resembles in the leaves, and *P. farinosa* in the flowers; it bears however three to six whorls, pale lilac. November. Yunnan, China. (Vilmorin.)

***Primula imperialis,** Jungh. (*G. C.* 1891, ix., p. 729; *G. M.* 1891, Dec., p. 758, fig.; *I. of H.* 1891, xxiii., fig. 1; *Gard.* 1891, pl. 823.) G. The true Java plant which differs specifically from the Himalayan Primrose figured in Bot. Mag. t. 6732 under *P. prolifera*. The leaves of the former are 15 in. long and 5 in. wide; the scape erect, 3–4 ft. high, the flowers in four to six whorls, rich cowslip-yellow, tinged with orange. This plant is probably hardy in England. (Kew.)

Pteris cretica, var. **crispata,** Veitch. (*Veitch Cat.* 1891, p. 11.) Filices. G. Fern. An ornamental variety of dwarf compact habit, with broad pinnules crisped and wavy along the margins and marked by a medium white band. Garden variety. (J. Veitch & Sons.)

***Pueraria thunbergiana,** Benth. (*R. H.* 1891, p. 31, f. 8; *W. G.* 1891, p. 24.) Leguminosæ. H. climber with trifoliolate l., and axillary racemes of bluish-violet fl. Japan. Syn. *Pachyrhizus thunbergianus*, S. and Z. *Dolichos hirsutus*, Thbg., and *D. japonicus* of gardens. Cultivated at Kew many years.

Pyrus Parkmanni, Hort. (*W. G.* 1891, p. 32.) *See* **Malus Parkmanni.**

***Quercus pontica,** C. Koch. (*Nat. Arb. Zösch.* 1891, p. 18; *Gfl.* 1891, p. 509, f. 95; *G. C.* 1891, vol. 9, p. 462.) Cupuliferæ. H. tree with large elliptic coarsely-toothed l., growing to 6 in. in length by 3 in. in breadth, glaucous beneath, and small subglobose acorns, twice as long as their small scaly cup, Lazistan. (Dieck.)

Renanthera imschootiana, Rolfe. (*Kew Bull.* 1891, p. 200.) Orchideæ. S. A fine showy species allied to *R. coccinea*, with shorter perianth segments. The fl. are reddish and yellow. (Van Imschoot; Sander & Co.)

***Restrepia striata,** Rolfe. (*G. C.* 1891, ix., p. 137.) Orchideæ. S. Differs from other species of the genus in having striped instead of spotted sepals. Otherwise it is not unlike *R. elegans*. New Granada. (Low & Co., and Glasnevin Botanic Garden.)

Rhipsalis dissimilis, K. Schum. (*Gfl.* 1891, p. 634, f. 121.) Cactaceæ. G. succulent. This is the plant described last year as *Lepismium dissimile*.

***Rhododendron intermedium,** Tausch. (*Nat. Arb. Zösch.* 1891, p. 20.) Ericaceæ. H. shr. A hybrid between *R. ferrugineum* and *R. hirsutum*.

***Rhododendron Smirnowi,** Max. (*G. C.* 1891, vol. 9, p. 462.) A hardy evergreen shrub with leaves white or rusty beneath; flowers crimson. Tschoruk. (St. Petersburg Botanic Garden.)

***Rhododendron Ungerni,** Max. (*G. C.* 1891, vol. 9, p. 462.) An evergreen shrub with large leaves snowy white beneath. Flowers white. Tschoruk. (St. Petersburg Botanic Garden.)

***Robinia neomexicana,** Hort. (*Gfl.* 1891, p. 362.) Leguminosæ. H. tree. Probably a form of *R. Pseudacacia*, with small glaucous l. and red fl.

Rosa rugosa, var. **calocarpa,** André. (*R. H.* 1891, p. 129, f. 35.) Rosaceæ. H. shr. A seedling variety with smaller leaves than the type, and large corymbs of depressed globose fr. of a bright red. Garden variety. (Bruant.)

***Rosa wichuraiana,** Crép. (*G. and F.* 1891, vol. 4, p. 569, f. 89.) H. shr. A handsome species, with dark glossy green leaves and white flowers, suitable for clothing rocky slopes, &c. Japan.

***Salix hoyeriana,** Dieck. (*Gfl.* 1891, p. 332.) Salicineæ. H. shrub of dwarf prostrate habit, with roundish-oval green l. 4 in. long by 2 in. broad. Cascade Mountains, British Columbia. (Zöschen Arboretum.)

Salix purpurea, L. var. **amplexicaulis,** Dieck. (*G. C.* 1891, vol. 9, p. 462.) A willow from the Galatian Pontus described as a distinct species (*S. amplexicaulis*) by Boissier. Galatian Pontus. (Zöschen Arboretum.)

Sambucus racemosa, L. var. **heterophylla,** Wolf. (*Gfl.* 1891, p. 656, f. 123.) Caprifoliaceæ. H. shr. A

garden variety having the l. simple or composed of three irregularly formed leaflets. (Imperial Forest Institute, St. Petersburg.)

Sarracenia vittata maculata, Williams. (*Williams' Cat.* 1891, p. 25.) Sarraceniaceæ. G. A garden hybrid between *S. purpurea* and *S. chelsoni*. (Williams & Son.)

Scilla Adlami, Baker. (*G. C.* 1891, ix., p. 521.) Liliaceæ. G. bulb. A small-flowered species after the style of *S. italica*, Linn. Flowers mauve-purple. Natal. (J. H. Tillett, Norwich.)

***Scilla laxiflora,** Baker. (*G. C.* 1891, ix., p. 668.) G. bulb. Allied to *S. revoluta*, Baker. Bulb globose, leaves lanceolate, scape 3 in. long, flowers green, filaments purple. S. Africa. (Kew.)

***Schomburgkia sanderiana,** Rolfe. (*G. C.* 1891, ix., 202.) Orchideæ. S. A new species allied to *S. Humboldtii*. It has hollow pseudobulbs, very rigid leaves, and a lax branched panicle of rosy-carmine medium-sized flowers. February. Habitat not stated. (Sander & Co.)

***Senecio Heritieri,** DC. (*G. and F.* 1891, iv., p. 510, f. 79.) Compositæ. G. The correct name for the plant cultivated as *Cineraria aurita*. Madeira.

Sidalcea candida, A. Gr. (*R. H.* 1891, p. 356, f. 85.) Malvaceæ. H. herbaceous per. 2–3 ft. high, with palmately divided l., and handsome terminal spikes of white fl. A very ornamental plant. Rocky Mountains.

Sobralia macrantha, var. **keinastiana,** Hort. (*G. and F.* 1891, iv., p. 305; *G. C.* 1891, ix., p. 741.) Orchideæ. S. A variety with large pure white flowers, save a blotch of yellow at the base of the labellum. (Baron Schröder.)

Sorbus Aria, var. **chrysophylla,** Hesse. (*W. G.* 1891, p. 128.) Rosaceæ. H. tree. A garden variety with yellow foliage. (Weener Baumschule.)

Sorbus discolor, Max. (*G. C.* 1891, vol. 9, p. 462.) H. A small tree allied to the White Beam, *Pyrus Aria*. East Siberia. (Zöschen Arboretum.)

***Spiræa Bumalda,** var. **ruberrima,** Hort. (*W. G.* 1891, p. 460; *Gard.* 1891, vol. 40, p. 415.) Rosaceæ. H. shr. A garden hybrid between *S. Bumalda* and *S. bullata* (*S. crispifolia*). (Lemoine.)

Stanhopea graveolens, Lindl. var. **Lietzei,** Rgl. (*Gfl.* 1891, p. 201, t. 1345.) Orchideæ. S. A variety with the sep. and pet. of a more yellowish colour, and the orange mark of the hypochile of the lip replaced by a faint red band, the front lobe of the lip is white dotted with purple. Brazil. (St. Petersburg Botanic Garden.)

Stenandrium Lindeni, N. E. Br. (*Ill. H.* vol. 38, p. 91, pl. 136.) Acanthaceæ. S. A pretty foliage plant of dwarf habit, with elliptic obtuse l., dark green, shading into paler green towards the centre and marked with yellow veins. Fl. yellow in erect cylindric spikes. Peru. (L'Horticulture Internationale.)

***Stenoglottis longifolia,** Hook., f. (*B. M.* t. 7186.) Orchideæ. S. A pretty terrestrial orchid with the habit of *Habenaria*. Leaves 6 in. long, scape erect, 18 in. high, upper half clothed with deep mauve flowers with fimbriated labellum. Natal. (Kew.)

***Streptocarpus Galpini,** Hook. f. (*G. C.* 1891, x., p. 546; *G. and F.* iv., p. 534; *J. of H.* 1891, Nov., p. 388.) Gesneraceæ. G. A new species of the monophyllous section. Fl. nearly 1½ in. across, campanulate, and coloured rich mauve-blue with a conspicuous white eye. Transvaal. (Kew.)

***Synantherias sylvatica,** Schott. (*B. M.* t. 7190.) Aroideæ. S. This is the name accepted by Sir Joseph Hooker for the plant cultivated as *Amorphophallus zeylanicus*, *Arum sylvaticum*, &c. (Kew.)

Tamarix odessana, Stev. (*Nat. Arb. Zösch.* 1891, p. 27; *G. C.* 1891, vol. 9, p. 462.) Tamariscineæ. A species found wild in the neighbourhood of Odessa. (Zöschen Arboretum.)

Thrinax Morrisii, Wendland. (*G. C.* 1891, ix., p. 700, fig. 134.) Palmæ. S. A small species, not exceeding 3 ft. in height, discovered by Mr. D. Morris, F.L.S., in Anguilla. Fresh seeds have been obtained for Kew.

Thunia mastersiana, Kränzlin. (*G. C.* 1891, x., p. 420; *Gfl.* 1891, p. 610.) Orchideæ. S. A new species with stems 4 ft. high and leaves 1 ft. long. Flowers about half the size of those of *T. alba*. Moulmien. (Sander & Co.)

Tragopyrum lanceolatum, Bieb. var. **latifolia,** Led. (*Gfl.* 1891, p. 169, t. 1344, f. 1–3.) Polygonaceæ. H. shr. A form with broad leaves. Russia and Central Asia. (St. Petersburg Botanic Garden.)

Trichocentrum triquetrum, Rolfe. (*G. C.* 1891, ix., p. 701; *Gfl.* 1891, p. 390.) Orchideæ. S. A new species with the habit of an Iris, 6 in. high, the flowers straw-coloured, lip variegated with orange. Ovary triquetrous, spur 1½ in. long. Peru. (Charlesworth, Shuttleworth & Co.)

Trochetia blackburneana, Bojer. (*B. M.* t. 7209.) Sterculiaceæ. S. A Hibiscus-like shrub with obovate leaves and drooping axillary cupped flowers, 1 in. across, coloured white and crimson. Mauritius. (Trinity College Botanic Garden, Dublin.)

***Tulbaghia natalensis,** Baker. (*G. C.* 1891, ix., p. 668.) Liliaceæ. G. Resembles *T. alliacea* in leaf and habit, but has the perianth segments longer than the tube. Flowers greenish-white, fragrant. Natal. (Kew.)

***Tulipa Sintenisii,** Baker. (*G. C.* 1891, vol. i., p. 330; *B. M.* 7193; *W. G.* 1891, p. 156.) Liliaceæ. H. A curious dwarf Tulip nearly allied to *T. undulatifolia*, but differing chiefly in more blunt perianth segments, and flat leaves. Fl. pale glaucous red and scarlet with black blotch on claw. March. Turkish Armenia. (Kew.)

Vitis multifida gracilis, Carr. (*R. H.* 1891, p. 206.) Ampelideæ. H. Vine of much branched habit, with very slender stems, and deeply lobed l. Grapes black, in small bunches. China.

Vitis Romaneti, Carr. vars. **obtusifolia** and **serotina,** Carr. (*R. H.* 1891, p. 520–522, f. 134–136.) H. Vines. The var. **obtusifolia** has the l. cordate and nearly entire, and covered with a white tomentum. The "variety" **serotina** appears to be merely the female plant which ripens its fr. late. China.

Vriesea cardinalis, Duval. (*Ill. H.* vol. 38, p. 39, pl. 125.) Bromeliaceæ. S. A garden hybrid between *V. brachystachys* and *V. Krameri*. (Duval, Versailles.)

Vriesea insignis, Witte. (*Gfl.* 1891, p. 476.) S. A garden hybrid between *V. Barilleti* and *V. splendens*. (Jacob-Makoy.)

***Wahlenbergia undulata,** Cham. (*B. M.* t. 7174.) Campanulaceæ. A straggling herbaceous plant with thin stems, linear oblong leaves and terminal campanulate flowers an inch deep and wide; colour, violet-blue. S. Africa. (Kew.)

Wellingtonia pyramidata compacta, Carr. (*R. H.* 1891, p. 166.) Coniferæ. H. A garden variety of compact pyramidal growth. (Otin & Sons, St. Étienne.)

Zea tunicata foliis variegatis, Dam. (*W. G.* 1891, p. 457.) Gramineæ. G. or H. H. annual. A garden variety of *Z. Mays* with variegated leaves. (Dammann & Co.)

Zygopetalum Lindeniæ, Rolfe. (*L.* vol. 6, p. 73, pl. 275.) S. A distinct species with narrow, lanceolate acute sep. and pet. of a light rosy colour, and a large ovate acute lip, white with very numerous rose-coloured veins, crest large and thick, rather darker. Venezuela. (L'Horticulture Internationale.)